What is claimed is:

1. In a pneumatic radial tire comprising a radial carcass of at least one rubberized cord ply toroidally extending between a pair of bead cores, a belt superimposed about a crown portion of the carcass and comprised of at least two belt layers, and a tread arranged at an outside of the belt in a radial direction, in which the belt comprises a maximum-width belt layer containing many cords slantly arranged with respect to an equatorial plane of the tire and a narrow-width belt layer arranged at the outside of the maximum-width belt layer in the radial direction and containing many cords arranged in an oppositely inclined direction to the cords of the maximum-width belt layer, an improvement wherein a reinforcing layer containing many cords arranged in an oppositely inclined direction to the cords of the maximum-width belt layer is arranged so as to overlap with an outer end portion of the maximum-width belt layer located outward from an outer end of the narrow-width belt layer in the widthwise direction thereof.

2. A pneumatic radial tire according to claim 1, wherein the cords of the reinforcing layer are inextensible cords and the reinforcing layer is closely arranged at the inside of the maximum-width belt layer in the radial direction.

3. A pneumatic radial tire according to claim 2, wherein the widthwise outer end of the reinforcing layer is located inward from the widthwise outer end of the maximum-width belt layer in the widthwise direction.

4. A pneumatic radial tire according to claim 2, wherein the widthwise inner end of the reinforcing layer is located in the vicinity of the widthwise outer end of the narrow-width belt layer and an inclination angle A of the cord embedded in the reinforcing layer with respect to the equatorial plane of the tire is within a range of 4° to 60°.

5. A pneumatic radial tire according to claim 2, wherein the reinforcing layer is extended inward in the widthwise direction so as to form a

one-piece body on the equatorial plane and an inclination angle B of the cord embedded in the reinforcing layer is not less than 34° with respect to the equatorial plane.

6. A pneumatic radial tire according to claim 1, wherein the cords of the reinforcing layer are organic fiber cords and the reinforcing layer is arranged at the outside of the maximum-width belt layer in the radial direction.

7. A pneumatic radial tire according to claim 6, wherein the widthwise inner end of the reinforcing layer is located at the outside of the narrow-width belt layer in the radial direction and inward from the widthwise outer end thereof in the widthwise direction, and the widthwise outer end of the reinforcing layer is located outward from the widthwise outer end of the maximum-width belt layer in the widthwise direction.

8. A pneumatic radial tire according to claim 6, wherein an inclination angle C of the cord embedded in the reinforcing layer is not less than 7° with respect to the equatorial plane.